

IN THE SPECIFICATION

Page 6, replace paragraphs 2 and 3 with the amended paragraphs as follows:

The aperture 7 for earth observation is a small aperture which during observation of fainter stars preferably avoids interfering scattered light from the earth, and attenuates intensive sunlight which occurs at times when the sun appears in the beam path to the earth. The image 15 of the earth through window 7 and the images 18, 19 of the stars 16, 17 through window 6 are superimposed on the image pickup devices 4.

The evaluation system of the combined earth-star sensor system 1 achieves the separation of earth image 15 from star image 18 e.g. in the following way: the rim 13 of the earth is roughly determined in the image 15 i.e. determination is not to subpixel accuracy, then the image of the stars 19 which are clearly ~~attituted~~ outside the earth's disk are evaluated; to this effect the stars are compared with the star ~~chart~~ catalog 20; in the star ~~chart~~ catalog, those stars 16 are determined whose image 18 is too close to the rim of the earth, e.g. up to 3 pixels, and which would thus disturb an exact location determination; the rim of the earth is then located to subpixel accuracy, with those pixels not being counted which are too close to disturbing stars 16.